

What is claimed is:

1. A portable digital audio/video device adapted to be plugged into an access slot form on a computer device and removable from the access slot, comprising:

a casing having an inner space;

a disk supporting plate for supporting a compact disk thereon and retractable into the inner space of the casing, the compact disk having data with specific data format;

an operation panel with a display unit and a button set, formed on a front end of the casing;

a control circuit, for identifying the data format of the data stored in the compact disk and activating, based on identified data format, a corresponding audio/video data processing circuit to generate an audio/video signal in correspondence to the data stored in the compact disk; and

means for connecting the portable digital audio/video device and the computer device, and transmitting the audio/video signal from the portable digital audio/video device to the computer device;

wherein the computer device accesses and plays the signal generated by the control circuit when the portable digital audio/video device is connected the computer device, and the portable digital audio/video device plays the audio/video signal independently when the portable digital audio/video device is removed from the access slot of the computer device.

2. The portable digital audio/video device as claimed in Claim 1, wherein the control circuit comprises:

means for reading the data stored in the disk;

a disk data format identification circuit, for identifying the read data format of the data stored in the disk;

a demultiplexor having an input port connected to the data reading means and a plurality of output data paths, for selecting one of the data paths based on the identified data format of the read data;

a plurality of audio/video data processing circuits connected to the output data paths of the demultiplexor respectively for processing and decoding the read data transmitted from the demultiplexor;

a multiplexor having a plurality of input data paths connected to the audio/video data processing circuits respectively and an output port, for receiving the processed audio/video data from one of the data processing circuits and transmitting the processed audio/video data at its output port; and

means for converting the audio/video data transmitted from the output port of the multiplexor into an analog audio/video signals.

3. The portable digital audio/video device as claimed in Claim 2, wherein the audio/video data processing circuits at least comprises an MP3 data processing circuit, an audio data processing circuit, an audio/video data processing circuit.
4. The portable digital audio/video device as claimed in Claim 1, wherein the casing of the device is equipped with an earphone slot.
5. The portable digital audio/video device as claimed in Claim 1, wherein the connecting means comprises:

- a first disk interface connector, installed in the casing and connected to the control circuit; and
 - a second disk interface connector, installed inside the access slot of the computer device, and connected to the first disk interface connector of the casing.
6. The portable digital audio/video device as claimed in Claim 1, wherein the connecting means comprises:
- a first USB port connector, installed inside the casing and connected to the control circuit; and
 - a second USB port connector, installed inside the access slot of the computer device and connected to the first USB port connector of the casing.
7. The portable digital audio/video device as claimed in Claim 1, further comprising an analog audio/video signal output connector, installed in the casing, and connected to the control circuit, the analog audio/video signal output connector further comprising an audio signal socket and a video output slot for outputting the analog audio/video signals.